

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110322\
 Data File : VL039823.D
 Acq On : 3 Nov 2022 13:06
 Operator : SY/AP
 Sample : N5409-01DL 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E062-1100DL

Quant Time: Nov 04 08:43:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

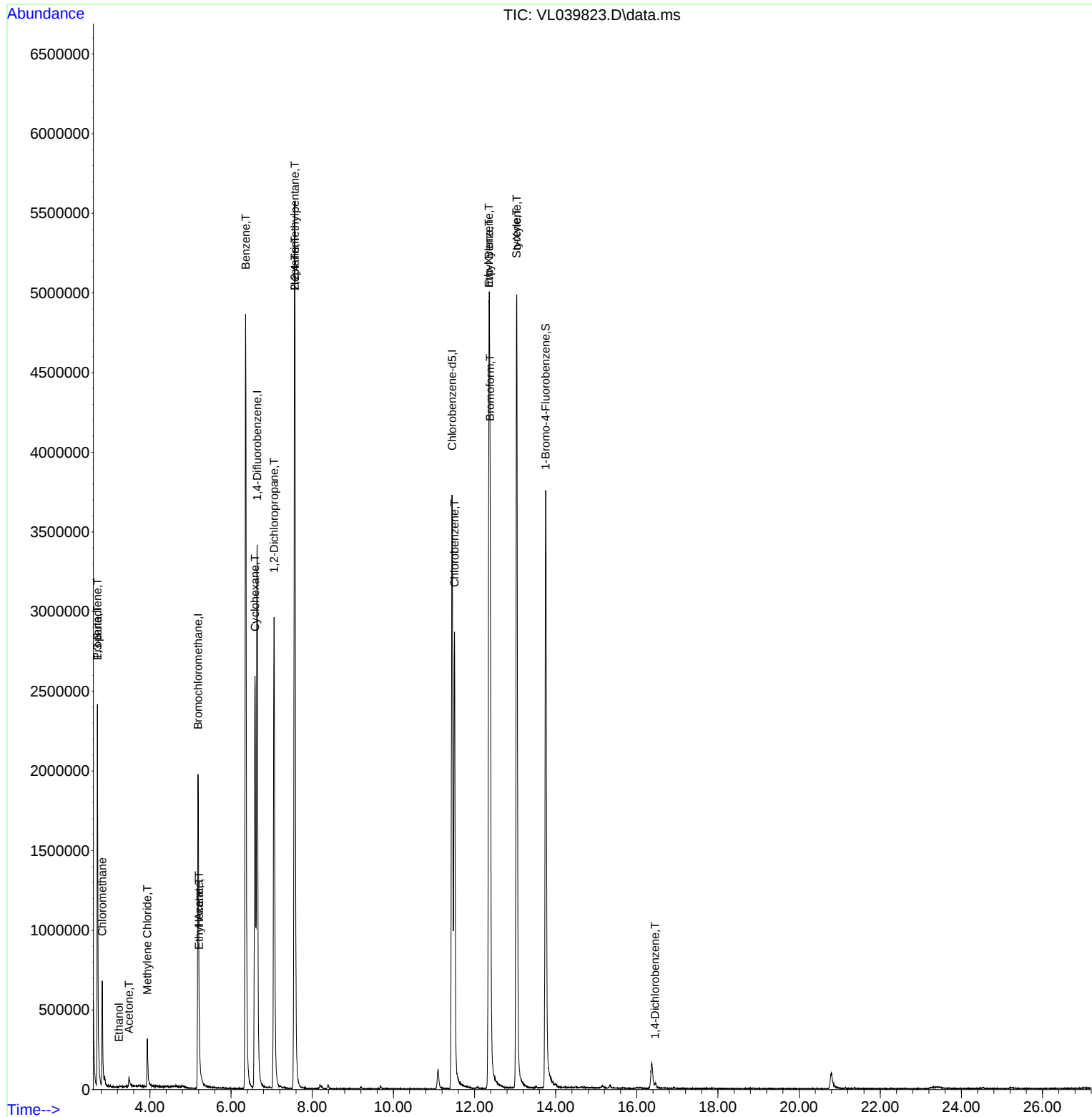
Internal Standards						
1) Bromochloromethane	5.185	49	1000917	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2871514	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2653824	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2091092	10.527	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.300%
Target Compounds						Qvalue
4) Chloromethane	2.825	50	611400	8.229	ppbv	99
9) Propene	2.706	41	1126113	18.113	ppbv	98
10) Heptane	7.568	43	2982493	20.025	ppbv	99
13) Ethanol	3.234	45	214	0.049	ppbv #	34
15) Acetone	3.484	43	63856	0.524	ppbv	91
16) 1,3-Butadiene	2.706	39	920460	16.246	ppbv #	5
20) Methylene Chloride	3.935	84	104969	2.408	ppbv	95
25) Ethyl Acetate	5.211	43	42684	0.170	ppbv #	76
26) Hexane	5.208	57	58148	0.520	ppbv #	40
30) Cyclohexane	6.590	84	1030379	11.012	ppbv	93
36) Benzene	6.359	78	4578897	18.904	ppbv	97
39) 1,2-Dichloropropane	7.060	63	1256862	13.318	ppbv	99
44) 2,2,4-Trimethylpentane	7.568	57	1482548	3.626	ppbv #	43
49) Bromoform	12.384	173	1904232	14.549	ppbv	99
57) Chlorobenzene	11.507	112	1922713	9.552	ppbv	99
58) Ethyl Benzene	12.355	91	3935064	10.967	ppbv #	71
59) m/p-Xylene	12.355	91	3935064	13.138	ppbv	96
60) o-Xylene	13.040	91	4313223	15.199	ppbv	99
61) Styrene	13.037	104	87815	0.503	ppbv #	1
76) 1,4-Dichlorobenzene	16.449	146	6037	0.035	ppbv #	23

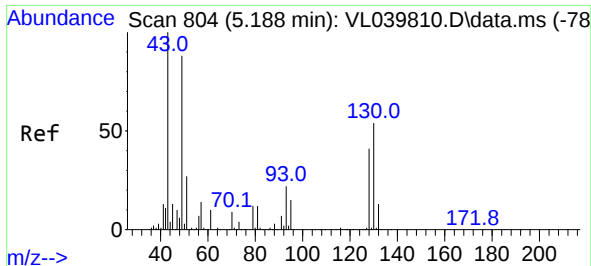
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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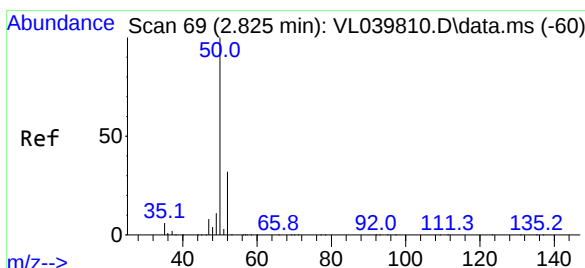
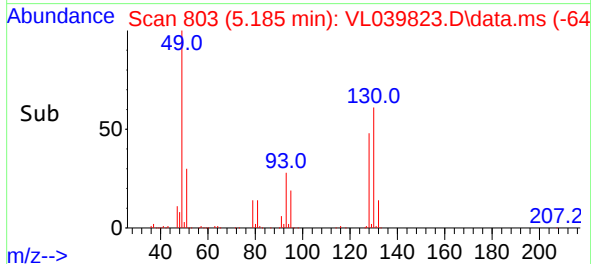
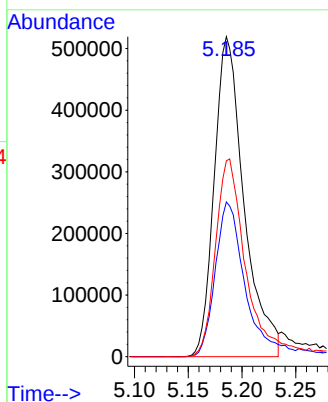
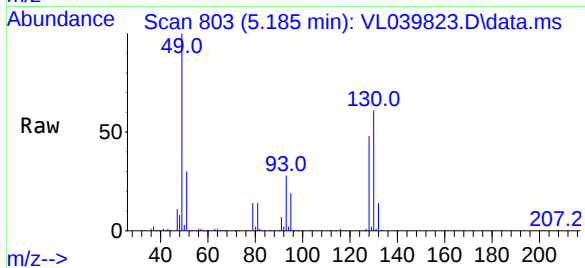




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

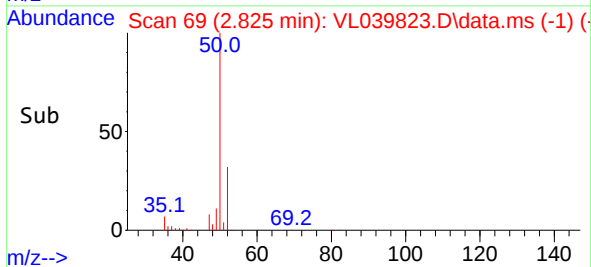
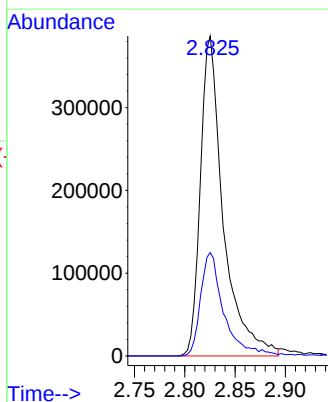
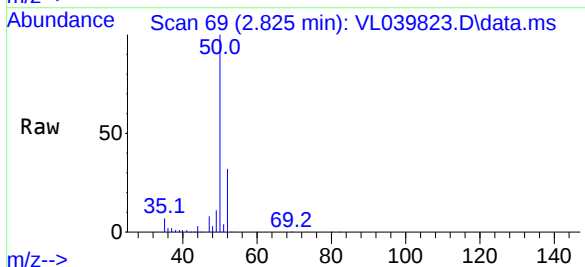
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

Tgt Ion: 49 Resp: 1000917
Ion Ratio Lower Upper
49 100
128 51.8 24.6 73.6
130 67.4 31.1 93.2

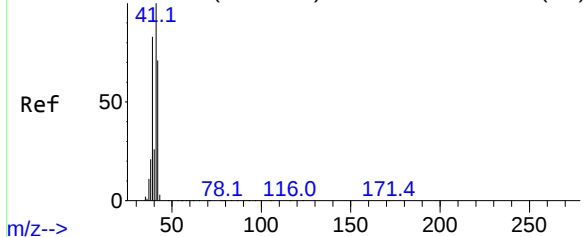


#4
Chloromethane
Concen: 8.229 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.000 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion: 50 Resp: 611400
Ion Ratio Lower Upper
50 100
52 32.3 25.5 38.3

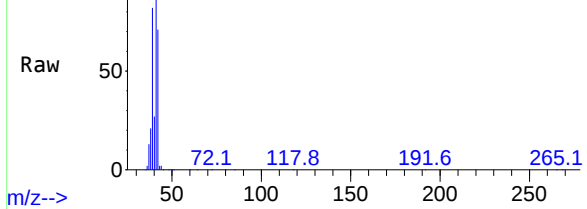


Abundance Scan 32 (2.706 min): VL039810.D\data.ms (-24)



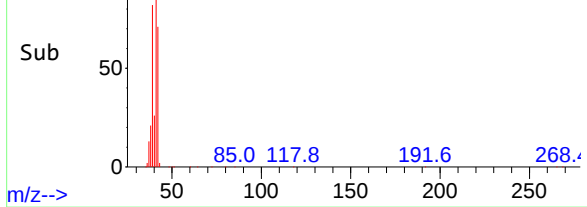
m/z-->

Abundance Scan 32 (2.706 min): VL039823.D\data.ms



m/z-->

Abundance Scan 32 (2.706 min): VL039823.D\data.ms (-1)



m/z-->

#9

Propene

Concen: 18.113 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL039823.D

Acq: 3 Nov 2022 13:06

Instrument :

MSVOA_L

ClientSampleId :

E062-1100DL

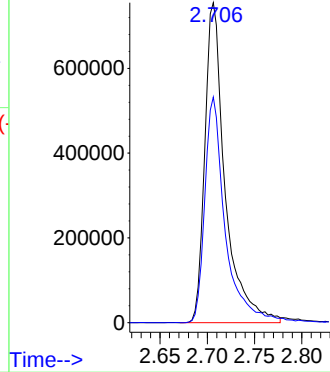
Tgt Ion: 41 Resp: 1126113

Ion Ratio Lower Upper

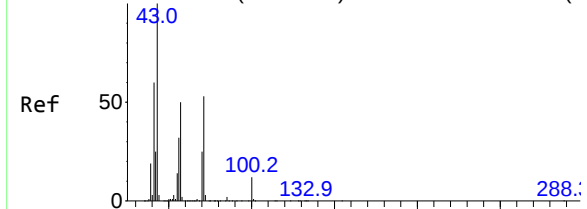
41 100

42 71.8 56.3 84.5

Abundance

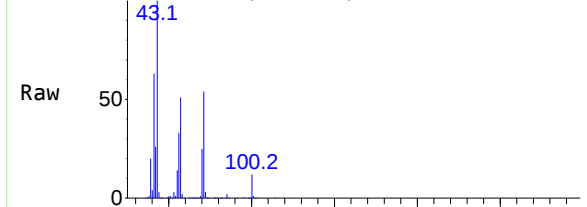


Abundance Scan 1544 (7.568 min): VL039810.D\data.ms (-1)



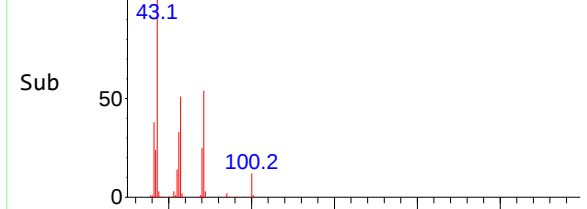
m/z-->

Abundance Scan 1544 (7.568 min): VL039823.D\data.ms



m/z-->

Abundance Scan 1544 (7.568 min): VL039823.D\data.ms (-1)



m/z-->

#10

Heptane

Concen: 20.025 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. 0.000 min

Lab File: VL039823.D

Acq: 3 Nov 2022 13:06

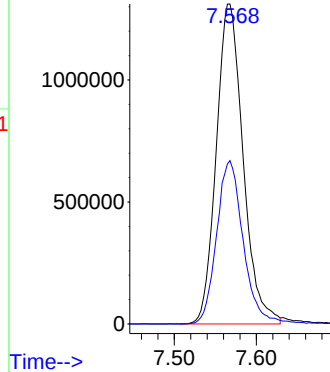
Tgt Ion: 43 Resp: 2982493

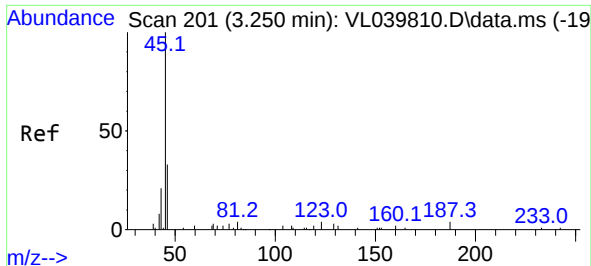
Ion Ratio Lower Upper

43 100

57 50.9 40.5 60.7

Abundance

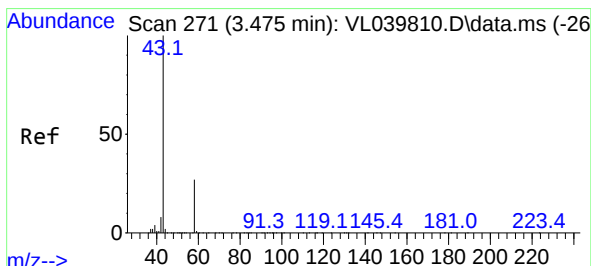
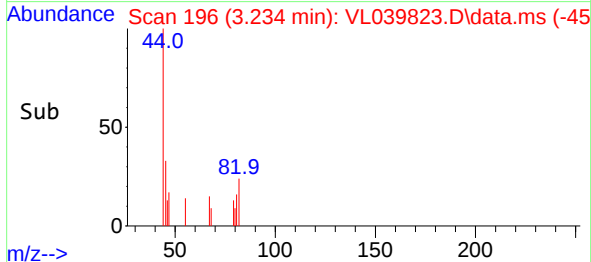
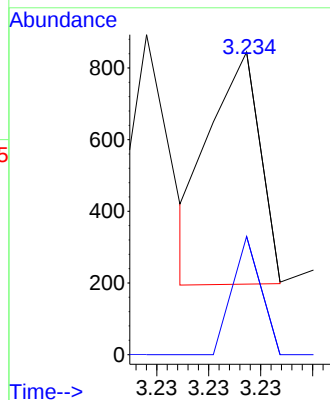
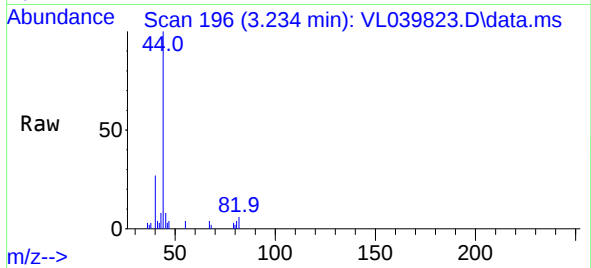




#13
Ethanol
Concen: 0.049 ppbv
RT: 3.234 min Scan# 196
Delta R.T. -0.016 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

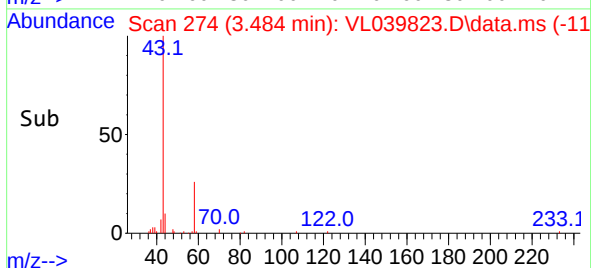
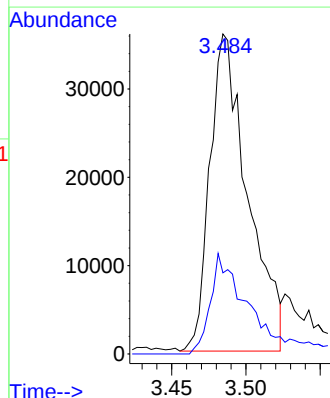
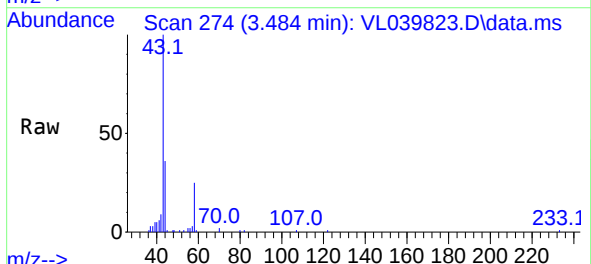
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

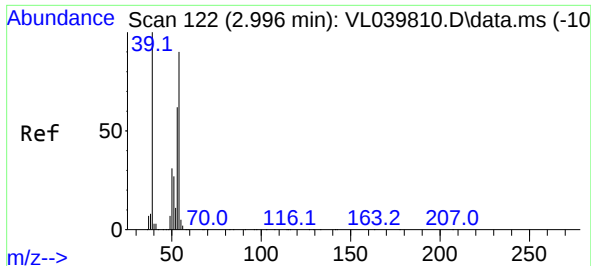
Tgt Ion: 45 Resp: 214
Ion Ratio Lower Upper
45 100
46 0.0 16.5 65.9#



#15
Acetone
Concen: 0.524 ppbv
RT: 3.484 min Scan# 274
Delta R.T. 0.010 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion: 43 Resp: 63856
Ion Ratio Lower Upper
43 100
58 33.7 23.2 34.8





#16

1,3-Butadiene

Concen: 16.246 ppbv

RT: 2.706 min Scan# 31

Delta R.T. -0.289 min

Lab File: VL039823.D

Acq: 3 Nov 2022 13:06

Instrument :

MSVOA_L

ClientSampleId :

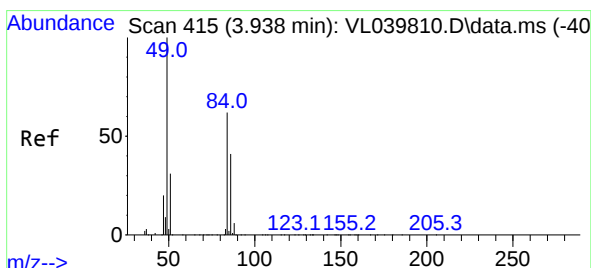
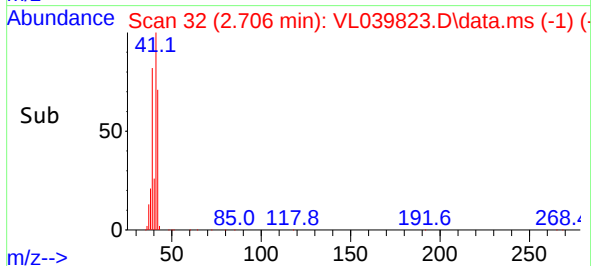
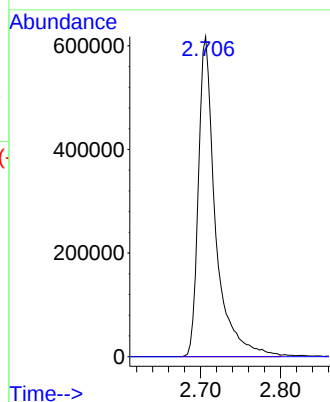
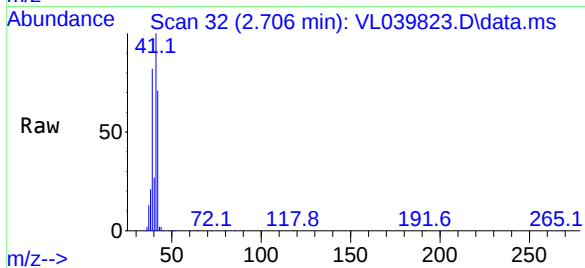
E062-1100DL

Tgt Ion: 39 Resp: 920460

Ion Ratio Lower Upper

39 100

54 0.0 71.0 106.4#



#20

Methylene Chloride

Concen: 2.408 ppbv

RT: 3.935 min Scan# 414

Delta R.T. -0.003 min

Lab File: VL039823.D

Acq: 3 Nov 2022 13:06

Tgt Ion: 84 Resp: 104969

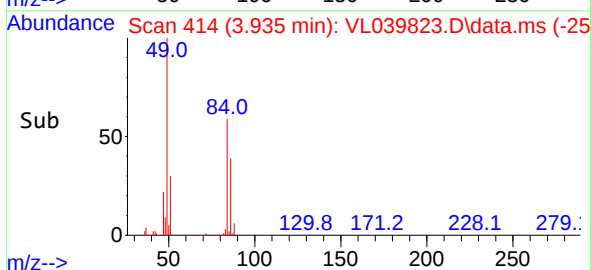
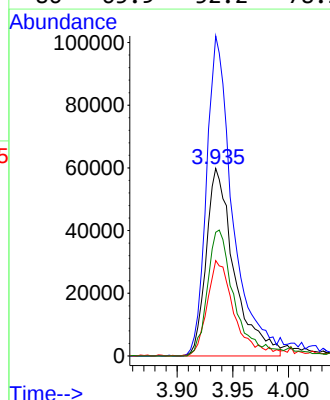
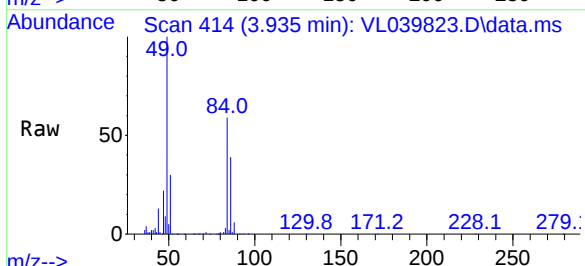
Ion Ratio Lower Upper

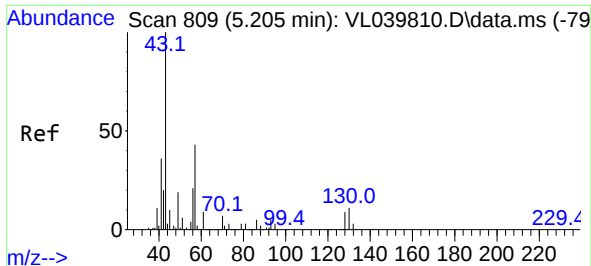
84 100

49 170.7 128.6 192.8

51 50.8 40.2 60.4

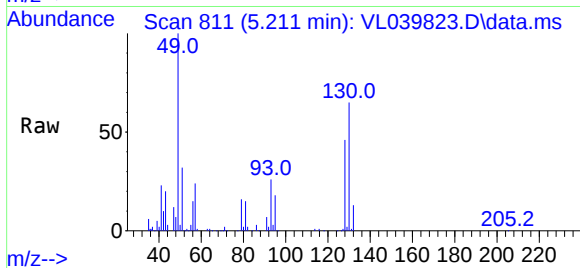
86 65.9 52.2 78.2





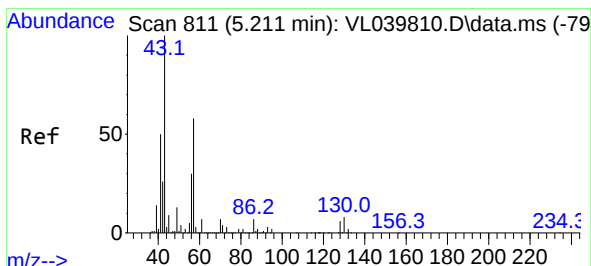
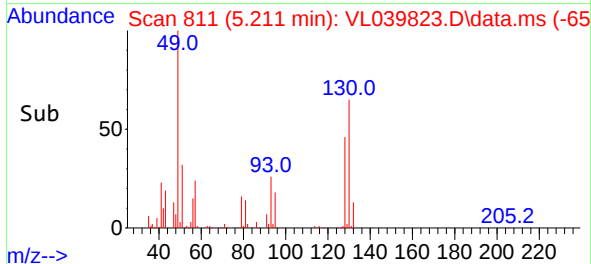
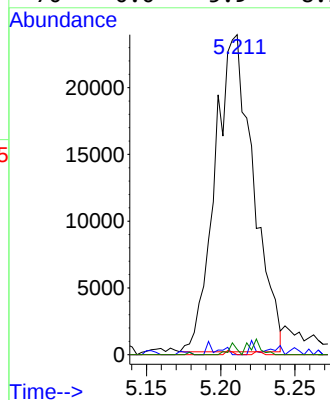
#25
Ethyl Acetate
Concen: 0.170 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL



Tgt Ion: 43 Resp: 42684

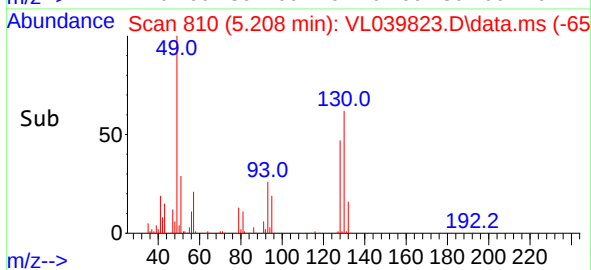
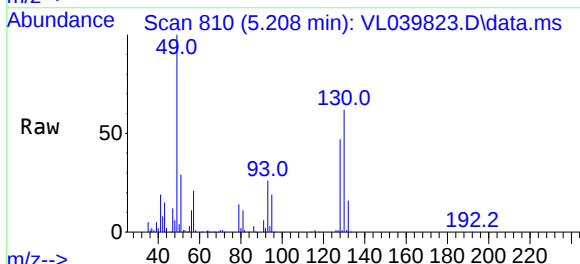
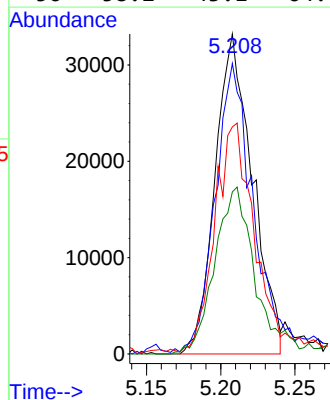
Ion	Ratio	Lower	Upper
43	100		
45	1.4	8.2	12.2#
61	0.4	8.1	12.1#
70	0.0	5.9	8.9#

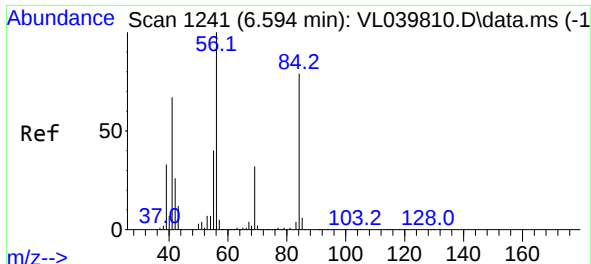


#26
Hexane
Concen: 0.520 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion: 57 Resp: 58148

Ion	Ratio	Lower	Upper
57	100		
41	101.4	73.7	110.5
43	83.7	189.8	284.8#
56	58.2	43.1	64.7



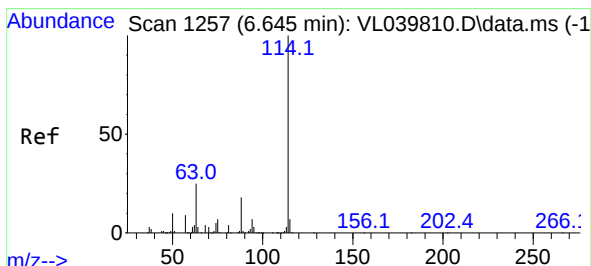
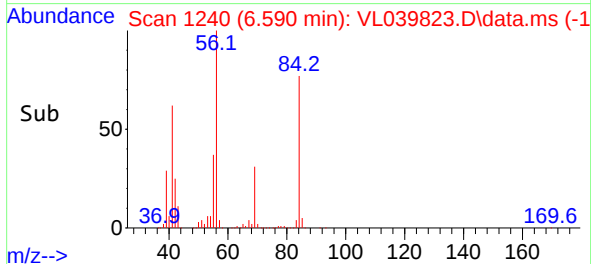
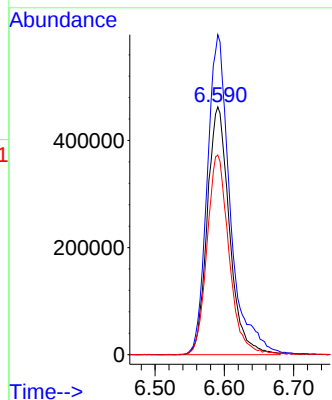
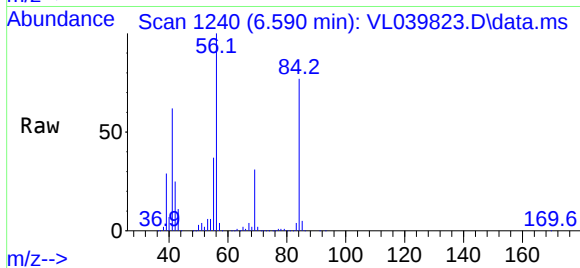


#30
Cyclohexane
Concen: 11.012 ppbv
RT: 6.590 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

Tgt Ion: 84 Resp: 1030379

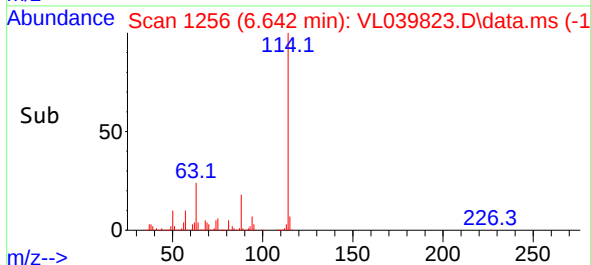
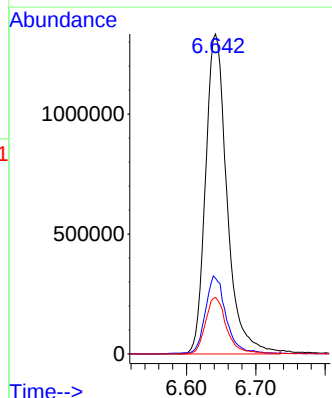
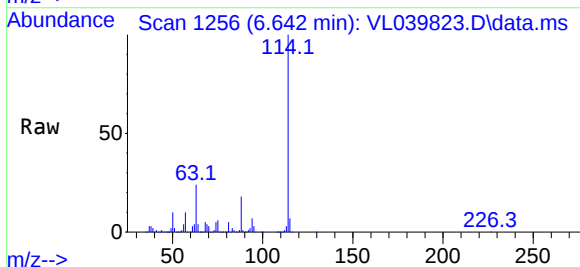
Ion	Ratio	Lower	Upper
84	100		
56	133.9	114.8	172.2
41	80.3	68.6	103.0

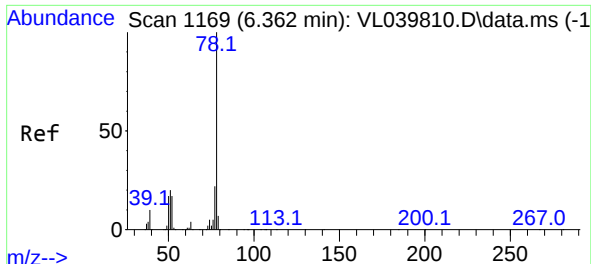


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion: 114 Resp: 2871514

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.8	29.6
88	17.6	14.4	21.6



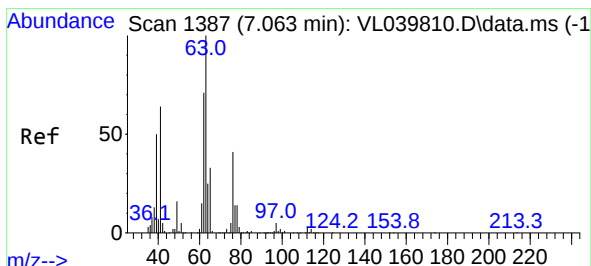
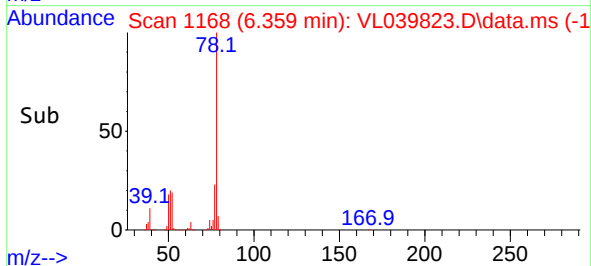
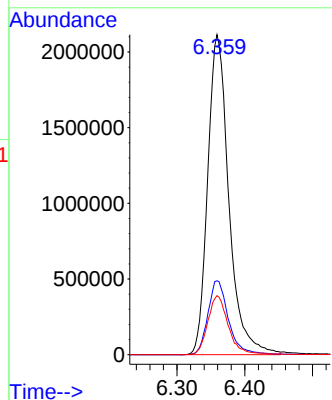
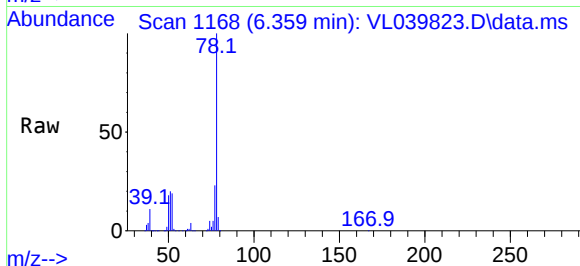


#36
Benzene
Concen: 18.904 ppbv
RT: 6.359 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

Tgt Ion: 78 Resp: 4578897

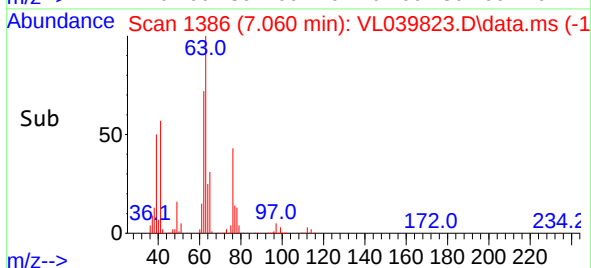
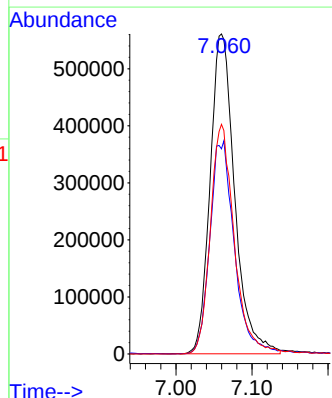
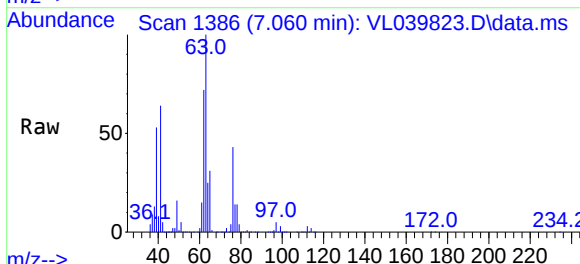
Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.4	26.2
50	18.4	13.9	20.9

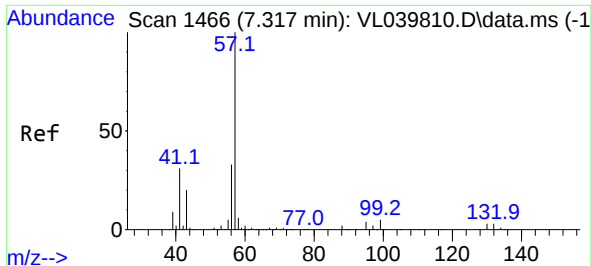


#39
1,2-Dichloropropane
Concen: 13.318 ppbv
RT: 7.060 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion: 63 Resp: 1256862

Ion	Ratio	Lower	Upper
63	100		
41	64.0	51.0	76.4
62	71.8	56.6	85.0

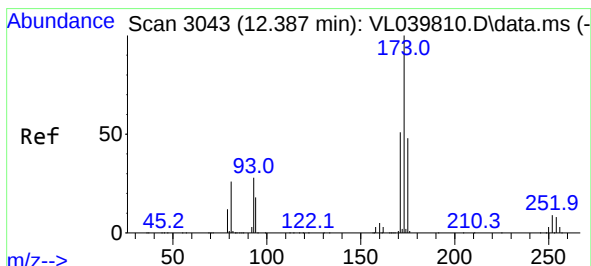
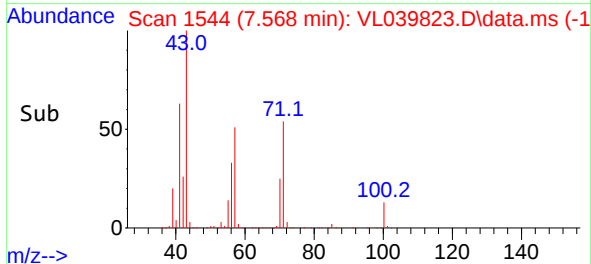
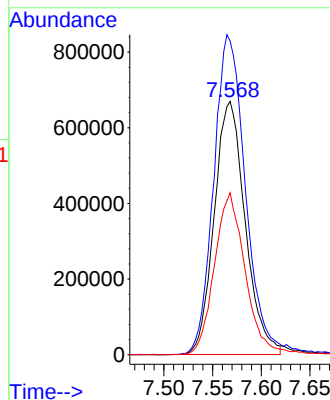
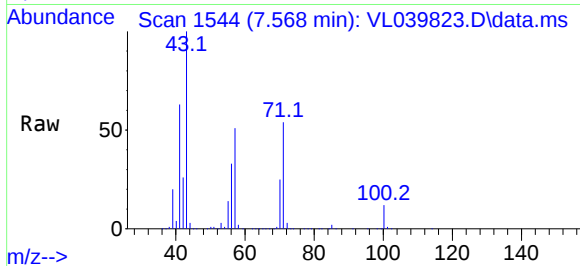




#44
2,2,4-Trimethylpentane
Concen: 3.626 ppbv
RT: 7.568 min Scan# 11
Delta R.T. 0.251 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

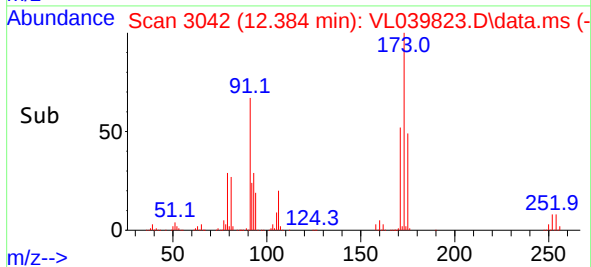
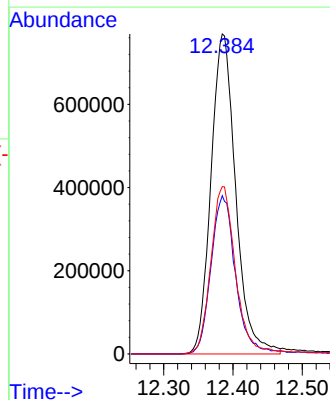
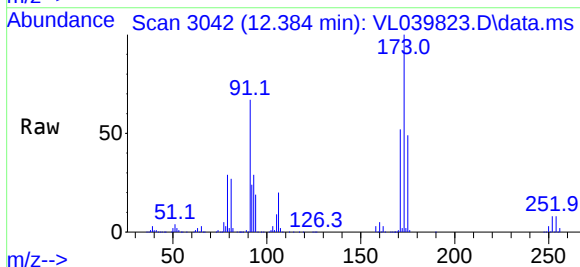
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

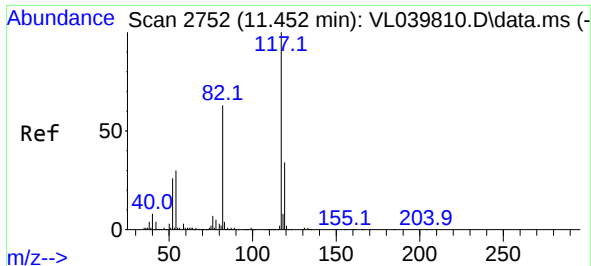
Tgt Ion: 57 Resp: 1482548
Ion Ratio Lower Upper
57 100
41 0.0 24.6 36.8#
56 63.9 25.4 38.0#



#49
Bromoform
Concen: 14.549 ppbv
RT: 12.384 min Scan# 3042
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion:173 Resp: 1904232
Ion Ratio Lower Upper
173 100
175 49.8 39.7 59.5
171 53.5 41.7 62.5

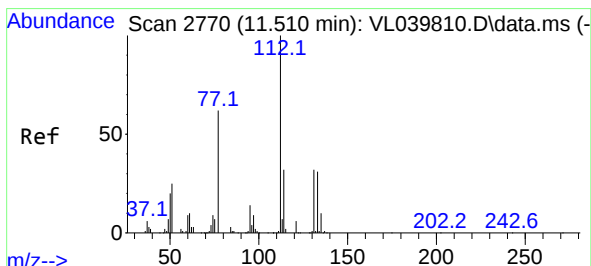
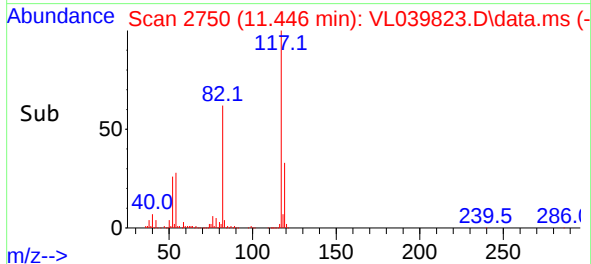
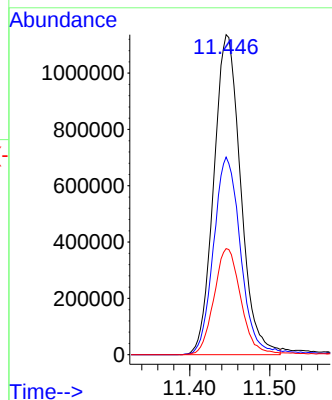
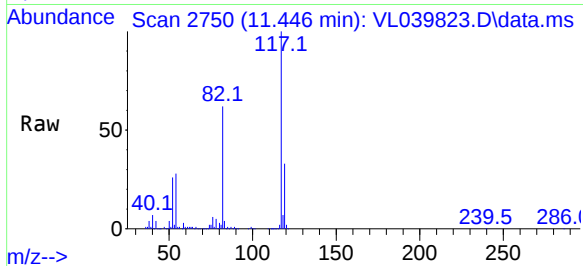




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

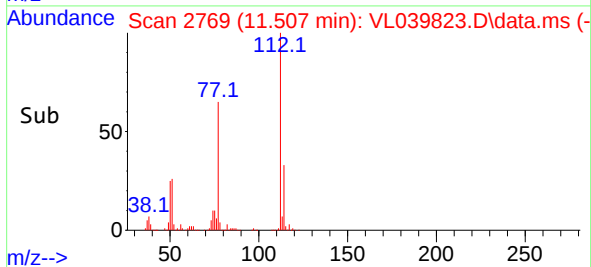
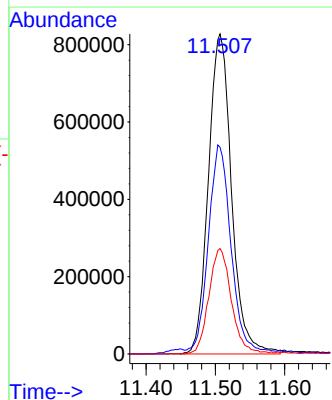
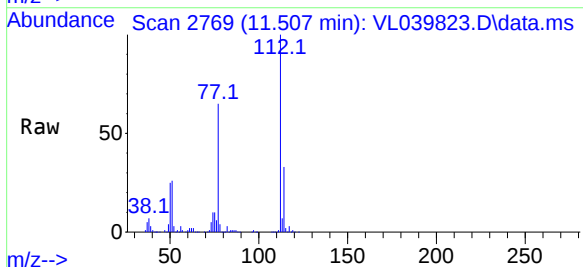
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

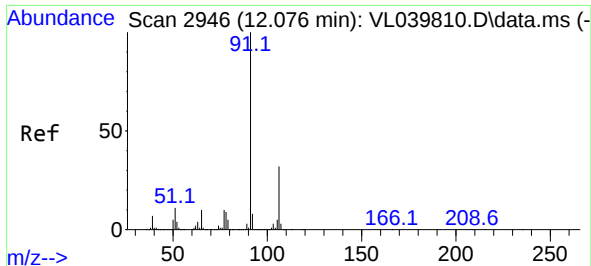
Tgt Ion:117 Resp: 2653824
Ion Ratio Lower Upper
117 100
82 63.9 51.0 76.6
119 33.8 24.7 37.1



#57
Chlorobenzene
Concen: 9.552 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion:112 Resp: 1922713
Ion Ratio Lower Upper
112 100
77 63.4 49.8 74.6
114 32.9 29.0 35.4

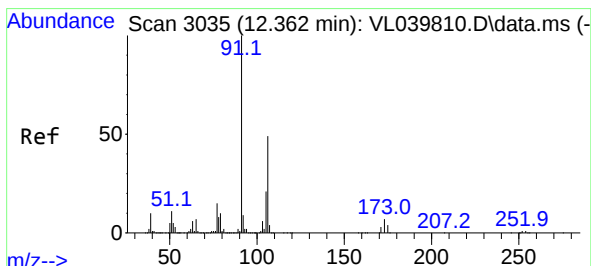
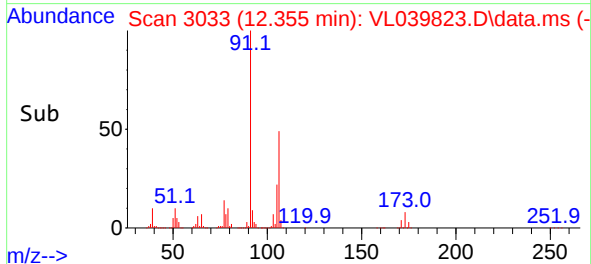
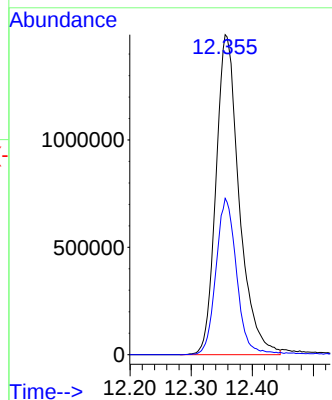
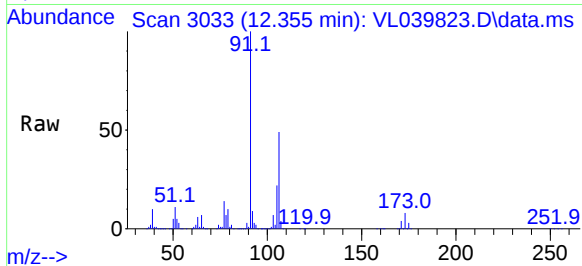




#58
Ethyl Benzene
Concen: 10.967 ppbv
RT: 12.355 min Scan# 3033
Delta R.T. 0.280 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

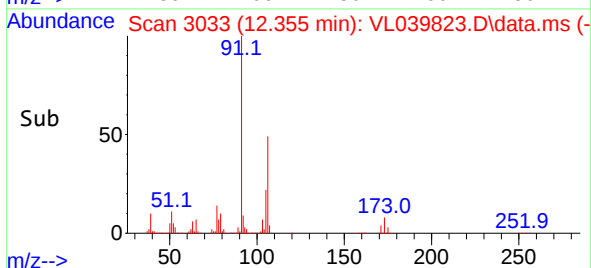
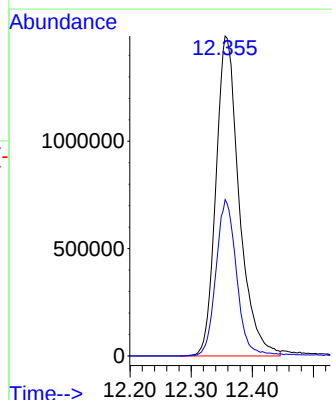
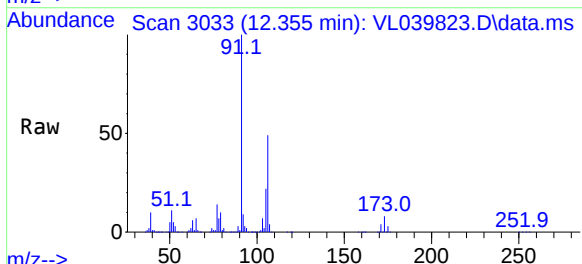
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

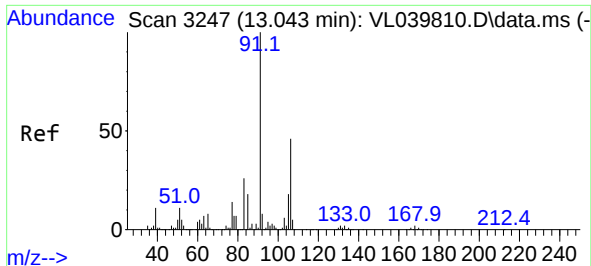
Tgt Ion: 91 Resp: 3935064
Ion Ratio Lower Upper
91 100
106 48.9 25.9 38.9#



#59
m/p-Xylene
Concen: 13.138 ppbv
RT: 12.355 min Scan# 3033
Delta R.T. -0.006 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion: 91 Resp: 3935064
Ion Ratio Lower Upper
91 100
106 44.3 37.6 56.4

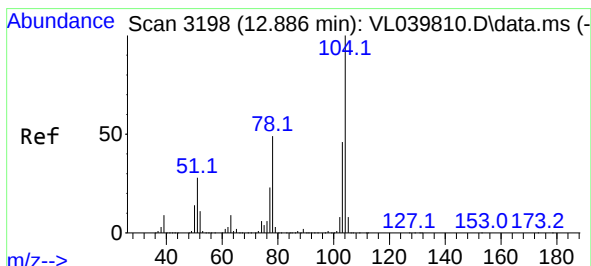
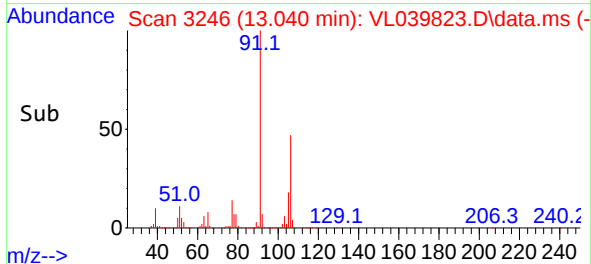
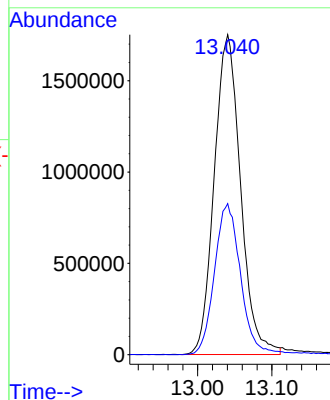
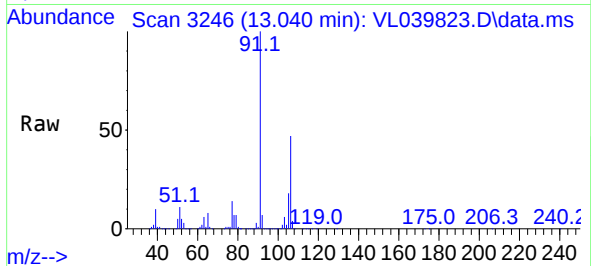




#60
o-Xylene
Concen: 15.199 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

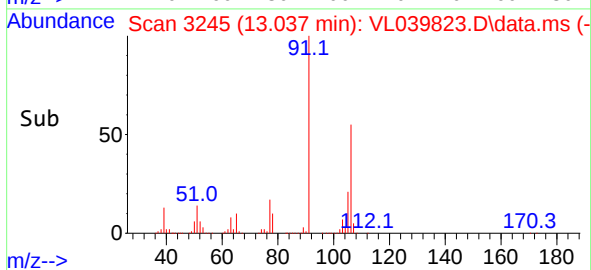
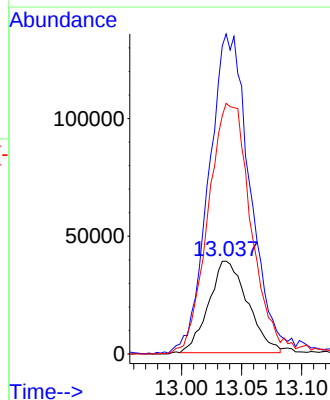
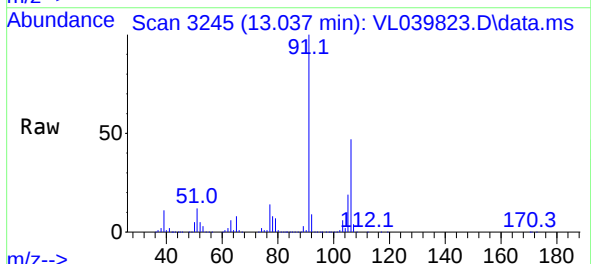
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

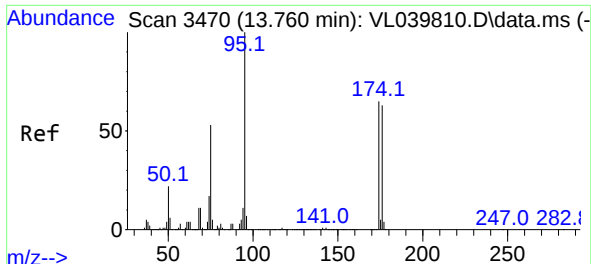
Tgt Ion: 91 Resp: 4313223
Ion Ratio Lower Upper
91 100
106 47.7 23.6 70.8



#61
Styrene
Concen: 0.503 ppbv
RT: 13.037 min Scan# 3245
Delta R.T. 0.151 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion:104 Resp: 87815
Ion Ratio Lower Upper
104 100
78 382.6 40.2 60.2#
103 306.9 37.5 56.3#

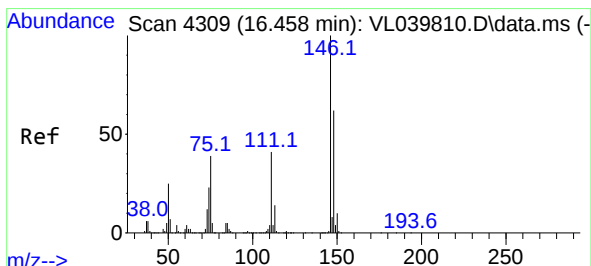
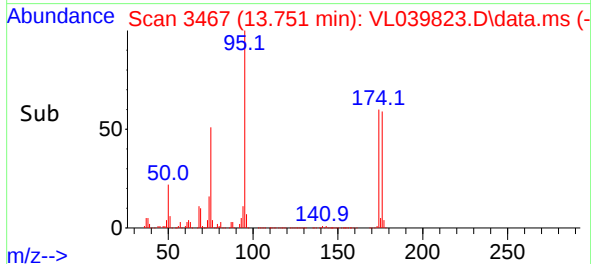
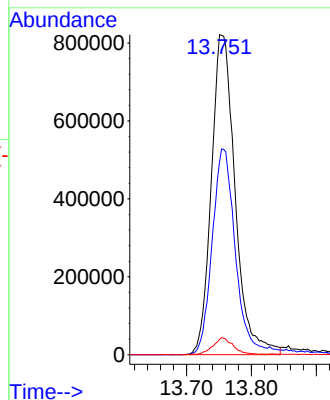
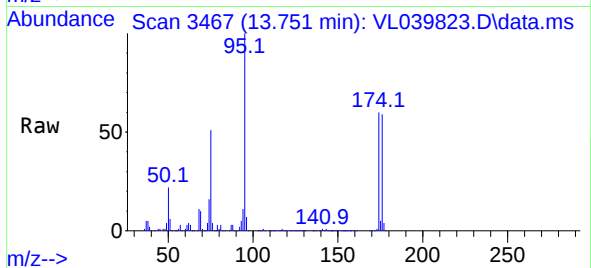




#68
1-Bromo-4-Fluorobenzene
Concen: 10.527 ppbv
RT: 13.751 min Scan# 3470
Delta R.T. -0.010 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

Tgt Ion: 95 Resp: 2091092
Ion Ratio Lower Upper
95 100
174 64.7 53.4 80.0
175 4.6 4.1 6.1



#76
1,4-Dichlorobenzene
Concen: 0.035 ppbv
RT: 16.449 min Scan# 4306
Delta R.T. -0.010 min
Lab File: VL039823.D
Acq: 3 Nov 2022 13:06

Tgt Ion:146 Resp: 6037
Ion Ratio Lower Upper
146 100
111 0.0 22.7 68.1#
148 0.0 33.1 99.3#

